

## CLAIMS

1. A wireless microphone system comprising antennae connected thereto, wherein a circulator and/or an HF isolator is connected to the antennae or the antenna.
2. A wireless microphone system as set forth in claim 1 characterised in that the wireless microphone comprises a hand transmitter microphone or a pocket transmitter microphone and a (diversity) receiver.
3. A wireless microphone system as set forth in claim 1 characterised in that the circulator/HF isolator is integrated in the antenna (which can be plugged in or screwed on) and the two form a mechanical unit.
4. A pocket transmitter microphone as set forth in claim 2 characterised in that the antenna provided with the circulator/HF isolator is pluggably connected to the transmitting device of the microphone and that the antenna, circulator/HF isolator and plug device form a mechanical unit.
5. A hand transmitter microphone as set forth in claim 2 characterised in that the antenna which is mechanically fixedly connected to the circulator/HF isolator is disposed in a common housing and is replaceable as a unit.
6. A microphone as set forth in claims 1 through 5 characterised in that the pluggable or replaceable antenna-circulator/HF isolator unit is tuned to a given frequency range.
7. A wireless microphone device characterised in that the receiving device also has in its high frequency input a circulator/HF isolator.
8. A wireless microphone system as set forth in claim 7 characterised in that the receiving antenna is fixedly connected to a circulator/HF isolator.

9. A wireless microphone system as set forth in claim 7 characterised in that the receiving antenna with the circulator/HF isolator is at least partially disposed in a common housing.

10. A wireless microphone system as set forth in claim 7 and claim 8 characterised in that the receiver carried on the body is provided with a pluggable or replaceable antenna-circulator/HF isolator unit.

11. A wireless microphone system as set forth in claims 7 through 10 characterised in that the antenna-circulator/HF isolator unit is tuned to a given frequency range.

12. An HF transmitter comprising an antenna connected thereto, wherein the antenna in accordance with one of the preceding claims is integrated into or connected to a circulator and/or an HF isolator.

13. An HF transmitter or system as set forth in one of the preceding claims characterised in that the antenna externally includes a visible identification, coding or color marking or the like, the identification, coding or color marking being attributed to a given frequency range.